Name(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_\_

**Crater Investigation (summative)**

**Checklist:** When you are ready to turn this assignment in, you must turn in

-Mini Poster -Evidence sheet -Crater Investigation (data, analysis and presentation)

**Demonstration**: What do you think will happen when the rock drops? (demo)

**Directions:** With your team you need to decide what question you would like to answer involving factors that affect crater size. (Height, force, impact, meteor size, wind speed and direction, mass of meteor)

|  |  |
| --- | --- |
| Question: |  |
| Hypothesis: |  |
| Variables (what variables are involved in your investigation) |  |
| How will you collect data to answer your question? Explain |  |
| Draw your data table |  |
| Procedure (detailed, step by step) |  |
| Analysis  (How will you analysis your data) | Analysis should be done on a separate piece of graph or lined paper. |
| Presentation of findings. How are you going to put your presentation together? Google slides/ poster/ video/ it is your choice.  ***Must include: (Jobs)***  -Title  -Your Question  -Hypothesis  -Procedure  -Data Table  -Analysis  -Conclusion  -How could you improve your investigation? What lab errors could have occurred? | Presentation  Job Outline: Who is in charge of what |

X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher approval